814-875-2042

Approved for use through 07/31/2003. OMB 0651-0032
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Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number Attorney Docket No. UTILITY PATENT APPLICATION First Inventor TRANSMITTAL Title (Only for new nonprovisional applications under 37 CFR 1.53(b)) Express Mail Label No. Mail Stop Patent Application Commissioner for Patents P.O. Box 1450 APPLICATION ELEMENTS ADDRESS TO: See MPEP chapter 600 concerning utility patent application contents. Alexandria VA 22313-1450 CD-ROM or CD-R in duplicate, large table or Fee Transmittal Form (e.g., PTO/SB/17) Computer Program (Appendix) (Submit an original and a duplicate for fee processing) Nucleotide and/or Amino Acid Sequence Submission Applicant claims small entity status. 2. 🔀 (if applicable, all necessary) See 37 CFR 1.27. Computer Reader Form (CRF) [Total Pages\_ 3. Specification (preferred arrangement set forth below) Specification Sequence Listing on: Descriptive title of the invention - Cross Reference to Related Applications - Statement Regarding Fed sponsored R & D CD-ROM or CD-R (2 copies); or - Reference to sequence listing, a table, or a computer program listing appendix ii. Background of the Invention - Brief Summary of the Invention Statements verifying identity of above copies - Brief Description of the Drawings (if filed) **ACCOMPANYING APPLICATION PARTS**  Detailed Description - Claim(s)
- Abstract of the Disclosure Assignment Papers (cover sheet & document(s)) 9. L Power of Attorney 4. Drawing(s) (35 U.S.C. 113) [Total Sheets 37 CFR 3.73(b) Statement 10. T (when there is an assignee) English Translation Document (if applicable) [Total Sheets 5. Oath or Declaration 11. Copies of IDS Information Disclosure a. Newly executed (original or copy) 12. Statement (IDS)/PTO-1449 Citations b. Copy from a prior application (37 CFR 1.63(d)) Preliminary Amendment Return Receipt Postcard (MPEP 503) (for continuation/divisional with Box 18 completed) (Should be specifically itemized) Certified Copy of Priority Document(s) **DELETION OF INVENTOR(S)** (if foreign priority is claimed) Signed statement attached deleting inventor(s) name in the prior application, see 37 CFR Nonpublication Request under 35 U.S.C. 122 16. 🗀 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 1.63(d)(2) and 1.33(b). or its equivalent. Application Data Sheet. See 37 CFR 1.76 17. 🔲 Other: ..... 18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in the first sentence of the specification following the title, or in an Application Data Sheet under 37 CFR 1.76: of prior application No.: 10/191, 245 Continuation-in-part (CIP) \_\_\_ Divisional Continuation Examiner LEE, JONE SUK Art Unit: Pnor application information:

Examiner

For CONTINUATION OF DIVISIONAL APPS only; The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts. 19. CORRESPONDENCE ADDRESS Correspondence address below Customer Number: KOWOLD Name Address 16507

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Telephone

814-875-3407

Date

Registration No. (Attorney/Agent)

City

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If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

PTO/SB/21 (05-03)

Approved for use through 04/30/2003. OMB 0651-0031 U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE are required to respond to a collection of information unless it displays a valid OMB control number. Under the Paperwork Reduction Act of 1995, no persons Application Number Filing Date **TRANSMITTAL** First Named Inventor TAMES SEHL **FORM** Art Unit (to be used for all correspondence after initial filing) **Examiner Name** Attorney Docket Number JSEHL - 002 Total Number of Pages in This Submission **ENCLOSURES** (Check all that apply) After Allowance communication Drawing(s) -7M to Group Fee Transmittal Form Appeal Communication to Board of Appeals and Interferences Licensing-related Papers Fee Attached Appeal Communication to Group (Appeal Notice, Brief, Reply Brief) Petition Amendment/Reply Petition to Convert to a Proprietary Information Provisional Application After Final Power of Attorney, Revocation Status Letter Change of Correspondence Address Affidavits/declaration(s) Other Enclosure(s) (please Terminal Disclaimer Identify below): Extension of Time Request POUFICITION - 10 PAGES Request for Refund ECLARATION Express Abandonment Request YETURN CARD CD, Number of CD(s) Information Disclosure Statement Remarks Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53 SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT Firm Individual name Signature Date CERTIFICATE OF TRANSMISSION/MAILING I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below. Typed or printed name

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Signature

Date

PTO/SB/17 (05-03) Approved for use through 04/30/2003. OMB 0651-0032
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## **FEE TRANSMITTAL** for FY 2003

Effective 01/01/2003. Patent fees are subject to annual revision.

Applicant claims small entity status. See 37 CFR 1.27

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Application Number	
Filing Date	
First Named Inventor	JAMES SEHL
Examiner Name	
Art Unit	
Attorney Docket No.	JSEHL- OOI

TOTAL AMOUNT OF PAYMENT (\$) 700 Allottiey Bocket No. 1 (2007)							
METHOD OF PAYMENT (check all that apply)	FEE CALCULATION (continued)						
Check Credit card Money Other None 3	ADDITIONAL FEES						
	arge Entity   Small Entity  Fee Fee Fee Fee Fee Description Eeo Paid						
	Code (\$)  Code (\$)						
	1051 130 2051 65 Surcharge - late filing fee or oath						
Number Deposit	1052 50 2052 25 Surcharge - late provisional filing fee or cover sheet						
Account Name	1053 130 1053 130 Non-English specification						
The Director is authorized to: (check all that apply)	1812 2,520 1812 2,520 For filing a request for ex parte reexamination						
Charge fee(s) indicated below Credit any overpayments	1804 920* 1804 920* Requesting publication of SIR prior to Examiner action						
Charge any additional fee(s) during the pendency of this application	Develop publication of SIR after						
Charge ree(s) indicated bolomy strategy	Examiner action						
to the above-identified deposit account.  FEE CALCULATION	1251 110 2251 55 Extension for reply within first month						
	1252 410 2252 205 Extension for reply within second month						
1. BASIC FILING FEE Large Entity Small Entity Fee Paid	1253 930 2253 465 Extension for reply within third month						
Fee Fee Fee Fee Description	1254 1,450 2254 725 Extension for reply within fourth month						
Code (\$) Code (\$) 1001 750 2001 375 Utility filing fee	1255 1,970 2255 985 Extension for reply within fifth month						
1001 750 2001 375 Utility filing fee 3775 1002 330 2002 165 Design filing fee	1401 320 2401 160 Notice of Appeal						
1002 330 2002 103 Sees 1 1002 1003 1003 1003 1003 1003 1003 10	1402 320 2402 160 Filing a brief in support of an appeal						
1003 520 2003 200 1004 750 2004 375 Reissue filing fee	1403 280 2403 140 Request for oral hearing						
1005 160 2005 80 Provisional filing fee	1451 1,510 1451 1,510 Petition to institute a public use proceeding  1452 110 2452 55 Petition to revive - unavoidable						
SUBTOTAL (1) (\$) 375	interstand.						
	1453 1,300 2453 650 Petition to revive - unintentional						
2. EXTRA CLAIM FEES FOR UTILITY AND REISSUE	1501 1,300 2501 650 Utility issue fee (or reissue) 1502 470 2502 235 Design issue fee						
Extra Claims below Fee Paid  Total Claims 22 -20** = 2 × 9 = 18	1502 470 2502 235 Design issue lee						
Total Claims	1460 130 1460 130 Petitions to the Commissioner						
Claims Multiple Dependent	1807 50 1807 50 Processing fee under 37 CFR 1.17(q)						
1	1906 180 Submission of Information Disclosure Stmt						
<u>Large Entity   Small Entity</u> Fee Fee   Fee Fee <u>Fee Description</u>	Paccrding each natent assignment per						
Code (\$) Code (\$)	property (times number of properties)						
1202 10 2202 to Independent claims in excess of 3	(37 CFR 1.129(a))						
1201 84 2201 42 Independent claims in excess of 3  1203 280 2203 140 Multiple dependent claim, if not paid	1810 750 2810 375 For each additional invention to be examined (37 CFR 1.129(b))						
1204 84 2204 42 ** Reissue independent claims over original patent	1801 750 2801 375 Request for Continued Examination (RCE)						
1205 18 2205 9 ** Reissue claims in excess of 20 and over original patent	1802 900 1802 900 Request for expedited examination of a design application						
	Other fee (specify)						
*Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) *Reduced by Basic Filing Fee Paid SUBTOTAL (3) (\$) **Or number previously paid, if greater; For Reissues, see above							

**or number previou	sly paid, if greater; For Reissues, see above		(Complete	e (if applicable)
SUBMITTED BY		Registration No. 29.023	Telephon	814-875-3407
Name (Print/Type)	CARL H. SOWOLD	(Attorney/Agent)	Date	July 7, 2003
Signature	Carl a Kowold	nay become public. Credit card inform	nation sho	ould not

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